

(NY-5100/8)

Prospects of Domestic Diesel Locomotive Building,  
by M. N. Shchukin, 10 pp.

RUSSIAN, per, Zheleznodorozhnyy Transport, No 4,  
1961, pp 27-32.

JPRS 9654

USSR

Econ

Aug 61

162,850

Development of Railroads in TSELEBYYY KRAY,  
by F. P. Milyukin, 8 pp.

RUSSIAN, per, Zheleznodorozhnyy Transport,  
No 5, 1961, pp 8-14

ACSI H-9826  
ID 2174766

USSR  
Econ  
12 Oct 61

170,484

JPRS 10182

(NY-5200/9)

The Traffic Schedule and Plan for Making up  
Trains, 5 pp.

RUSSIAN, per, Zheleznodorozhnyy Transport,  
No 5, 1961, pp 55, 56.

JPRS 10182

USSR

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Econ

Oct 61

Concerning Modernization of the TE 3 Diesel  
Locomotives, by G. A. Moiseyev, 6 pp.

RUSSIAN, per, Zheleznodorozhnyy Transport,  
No 7, 1961. *pg 22-24*

ACSI H-9883  
ID 2174778

Sci Engr

*177.040*

21 Dec 61

(SF-1993)

New Successes of the Railroad in the People's  
Republic of China, by Ch'en T'an, 4 pp.

RUSSIAN, per, Zheleznodorobzhnyy Transport, No 7,  
1961, pp 90-93.

JPRS 10962

Asia - China

174, 823

Econ

Nov 61

(RI-5100)

Improving the Utilization of Locomotives on Extended  
Operating Sections, by P. G. Muratov, 11 pp.

RUSSIAN, per, Shelomodorzhnyy Transport, No 8,  
Aug 1961, pp 6-13.

JPRS 12489

USSR  
Econ  
Mar 62

185, 747

(SF-1200)

The Outlook of Development of Radio Relay Lines of  
Communications, by V. V. Dobrovol'skiy, 4 pp.

RUSSIAN, per, Zheleznodorozhnyy Transport, No 8,  
1961, pp 43-45.

JPRS 11667

USSR

Econ

Jan 62

177,946

(HI-5100)

Ways of Improving Trunk-Line Electric Locomotives,  
by A. L. Kuroshin, 10 pp.

RUSSIAN, per, Zhurnalovozostroyeniya Transport, No 9,  
Sep 1961, pp 18-19.

JPRS 12489

USSR  
Econ  
Mar 62

185,748

(NY-5100)

Broad Use of Six-Axle Gondola Cars, by  
N. A. Moravichin, 12 pp.

RUSSIAN, per, Volgogradskiy Transport,  
No 9, Sep 1961, pp 43-48.

JPRS 12489

USSR  
Econ  
Mar 62

185, 749

(NY-5100)

The Steady Progress of Railroad Transport,  
by F. P. Malyukin, 19 pp.

RUSSIAN, per, Zheleznodorozhnyy Transport, No 10,  
Oct 1961, pp 3-11.

JPRS 12489

USSR  
Econ  
Mar 62

185,750

(DC-6405)

The Present State and Methods of ~~RS~~ Developing  
Automation and Telemechanics in Railroad Trans-  
portation, by A. P. Petrov, ~~IK~~ L. F. Pustovoytov,  
14 pp.

RUSSIAN, per, Zheleznodorozhnyy Transport,  
No 10, 1961, pp 18-26.

JPRS 11875

180,721

USSR  
Econ  
Jan 62

(NY-65100)

For an Integrated Transport System in  
the USSR, by V. I. Petrov, 17 pp.

RUSSIAN, per, Zheleznodorozhnyy Transport,  
No 11, 1961, pp 8-15.

JPRS 13285

USSR

Econ

Apr 62

190, 184

(NY-5100)

Prospects for the Development of Railroad  
Transport, by V. I. Sedov, 10 pp.

RUSSIAN, per, Zheleznodorozhnyy Transport,  
No 11, 1961, pp 16-20.

JPRS 13285

USSR  
Econ  
Apr 62

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(NY-5100)

Important Problems of Railroad Electri-  
fication, by A. F. Prontarskiy, 12 pp.

RUSSIAN, per, Zheleznodorzhnyy Transport,  
No 11, 1961, pp 21-26.

JPRS 13285

USSR  
Econ  
Apr 62

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(NY-5100)

High Train Traffic Speeds and the Improve-  
ment of the Transport Process, by  
A. D. Karetnikov, 10 pp.

RUSSIAN, per, Zhelezodorozhnyy Transport,  
No 11, 1961, pp 26-31.

JPRS 13285

USSR  
Econ  
Apr 62

190,178

(NY-5100)

Forecasting the Volume of Rolling Stock  
Traffic by Electronic Computers, by  
L. P. Tulupov, G. I. Livshin, 9 pp.

RUSSIAN, per, Zheleznodorozhnyy Transport,  
No 11, 1961, pp 51-54.

JPRS 13285

USSR  
Econ  
Apr 62

190,180

(NY-5100)

Mechanization and Automation of the  
Recording and Information on Train and  
Freight Operations, by A. I. Ol'khovoy,  
12 pp.

RUSSIAN, per, Zhelenodorozhnyy Transport,  
No 11, 1961, pp 63-67.

JPRS 13285

USSR  
Econ  
Mar 62

190, 174

LOCOMOTIVE AND RAILWAY CAR MANAGEMENT ON  
RUMANIAN RAILROADS, BY KONSTANTIN STOYAN, 7 PP.

RUSSIAN, PER, ZHELEZNODORZHNYI TRANSPORT, NO 12,  
1961, PP 13-18.

ACSI 1-1166  
ID 2196084

EEUR-RUMANIA  
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13 AUG 62

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Tracks and Track Maintenance on the Rumanian  
National Railways, by Marin Meroiu, 5 pp.

RUSSIAN, per, ~~Zheleznodorozhnyy~~ Transport, No 12,  
1961, pp 22-24.

ACST I-1326-B  
ID 2198513

EFur - Rumanian  
Econ  
14 May 62

194, 218

)NY-5100)

FOR THE UNIFICATION OF PUBLIC AND INDUSTRIAL  
RAILROAD TRANSPORT, BY YA. N. KRIVENKO,  
8 PP.

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT, NO 12,  
1961, PP 43-46.

JPRS 13867

USSR  
ECON  
JUN 62

197,552

(NY-5100)

THE RAILROADS BETWEEN 1960 AND 1980: THEIR TECHNICAL  
AND FINANCIAL DEVELOPMENT, BY B. P. BESHCEV,  
17 PP.

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT, NO 1,  
1962, PP 1-17.

JPRS 13867

USSR  
ECON  
JUN 62

197,553  
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(NY-5100)

PRICE FORMATION ADN THE RATES OF RAILROAD  
TRANSPORT, BY I. V. IVLIYEV, 5 PP.

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT, NO 1,  
1962, PP 11-17.

JPRS 13867

USSR  
ECON  
JUN 62

197,561

(NY-5100)

AUTOMATION AND MECHANIZATION OF TEH PROCESSES  
OF OPERATIONAL PLANNING, BY G. M. KUTYYEV, 18  
PP.

RUSSIAN, PER, ZHELEZNODOROZHNY TRANSPORT, NO 1,  
1962, PP 24-29.

JPRS 13867

JUSSR  
ECON  
JUN 62

197,554

(NY-5100)

FURTHER IMPROVEMENT OF ROLLING STOCK, BY  
V. I. BEZTSENNY, A. N. KOROLEV, 10 PP.

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT, NO 1,  
1962, PP 32-37.

JPRS 13867

USSR  
ECON  
JUN 62

197,555

(NY-1840)

A TECHNICAL AND ECONOMIC REVIEW OF THE USSR RAILROAD  
TRANSPORT IN 1961, 12 PP.

RUSSIAN, PER, ZHELEZNODOROZHNIY TRANSPORT, NO 3,  
1962, PP 43-46.

JPRS 14605

USSR  
ECON  
JUL 62

205,590

(NY-1840)

FURTHER TASKS OF MECHANIZATION AND AUTOMATION  
OF COMPUTATION OPERATIONS, BY G. I. KOLYADA,  
X 10 PP.

RUSSIAN, PEYR, ZHELEZNODOROZHNYI TRANSPORT, NO 4,  
1962, PP 42-45.

JPRS 14842

USSR  
ECON  
AUG 62

209,024

Evgrafov, G. K., Osipov, V. O., and Kolokolov, V. N.  
HOW TO PREVENT THE FATIGUE BREAKDOWN OF  
METALLIC BRIDGE ELEMENTS. [1963] [5]p.  
Order from OTS or SLA \$1.10 63-16468

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 4] p. 50-52.

DESCRIPTORS: \*Bridges, \*Fatigue (Mechanics).

(Engineering--Civil, TT, v. 10, no. 6)

63-16468

I. Evgrafov, G. K.  
II. Osipov, V. O.  
III. Kolokolov, V. N.

Office of Technical Services

Povorozhenko, V. V.  
PROSPECTS FOR INCREASED CONTAINERIZATION  
AND BETTER DISTRIBUTION OF CONTAINER  
CENTRES. [1963] 7p.  
Order from OTS or SLA \$1.10 63-14004

Trans. of Zheleznodorozhnyi Transport (USSR)  
1962 [v. 44, no. 4] p. 64-66.

DESCRIPTORS: \*Containers, Railroad cars, \*Cargo,  
Handling, Railroads, Logistics.

The following topics are analyzed: Distribution of  
railroad freight container centres; improved utilization  
of container capacity; and, control of the container  
fleet.

(Machinery--Transport, TT, v. 10, no. 7)

63-14004

I. Povorozhenko, V. V.

Office of Technical Services

The Immediate ~~Range~~ Prospects of Soviet  
Electric Locomotive Building, by Kh. Ya.  
Bystritskiy, A. L. Kurochka.

RUSSIAN, per, Zheleznodorozhnyy Transport,  
Vol XLIV, No 5, 1962, pp 27-32.

MLL M 3967

Sci - Electron  
Feb 63

22 3,569

Albrekht, V. A., Pershin, S. P., and Shulga, V. A.  
WIDER UTILIZATION OF CONTINUOUS-WELDED  
TRACKS. [1963] [7]p.

Order from OTS or SLA \$1.10

63-16471

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 5] p. 43-47.

DESCRIPTORS: \*Railroad tracks, \*Welding, Manu-  
facturing methods, Railroads.

(Machinery--Transport, TT, v. 10, no. 6)

63-16471

I. Albrekht, V. A.  
II. Pershin, S. P.  
III. Shulga, V. A.

Office of Technical Services

63-14005

Tikhomirov, I. G., Nevzorov, A. V. and others.  
AUTOMATION OF OPERATIONAL PROCEDURES IN  
MARSHALLING YARDS. [1963] [8]p.  
Order from OTS or SLA \$1.10 63-14005

I. Tikhomirov, I. G.  
II. Nevzorov, A. V.

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 5] p. 50-54.

DESCRIPTORS: \*Railroads, \*Railroad cars, Auto-  
mation, Computers, \*Control systems, Handling,  
Logistics, Operations research.

(Machinery--Transport, TT, v. 10, no. 5)

Office of Technical Services

Urgent Tasks of Developing The Truck Facilities  
by A. F. Podpalyy, 12 pp.

RUSSIAN, per, Zheleznodorozhnyy Transport, No  
1962, pp 8-13.

JPRS 16310

USSR  
Econ  
Nov 62

217,869

The Seven Year Plan and the Sverdlovsk Railroad,  
V. P. Yegorov, 10 pp.

RUSSIAN, per, Zhalemodorozhnyy Transport,  
No 6, 1962, pp 20-24.

JPRS 16142

USSR  
Econ  
Nov 62

217,383

Kartamyshev, A. I., Shmukler, M. M., and Yakub,  
S. K.  
INCREASED EFFICIENCY OF DIRECTING THE CAR  
FLOW TO PARALLEL ROUTES. [1962] 6p.  
Order from OTS or SLA \$1.10 63-10646

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 6] p. 37-41.

DESCRIPTORS: \*Railroads, Locomotives, \*Railroad  
cars, \*Transportation, Economics, Scheduling.

(Machinery--Transport, TT, v. 9, no. 11)

63-10646

I. Kartamyshev, A. I.  
II. Shmukler, M. M.  
III. Yakub, S. K.

Office of Technical Services

Semichastnov, I. F.  
DEVELOPMENT OF HYDRAULIC TRANSMISSIONS  
FOR DIESEL LOCOMOTIVES. [1962] 6p. 1 ref.  
Order from OTS or SLA \$1.10 63-10644

Trans. of Zhелеznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 6] p. 47-50.

DESCRIPTORS: \*Hydraulic systems, \*Transmissions,  
\*Diesel engines, \*Locomotives, Railroad cars, Rail-  
roads, Hydrodynamics, Operation, Design, Economics.

(Machinery--Transport, TT, v. 9, no. 11)

63-10644

I. Semichastnov, I. F.

Office of Technical Services

Gridyushko, V. I.  
IMPROVING THE RUNNING MAINTENANCE OF  
FREIGHT CARS. [1962] 7p.  
Order from OTS or SLA \$1.10 63-10645

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 6] p. 51-56.

DESCRIPTORS: \*Railroad cars, Maintenance, Manage-  
ment engineering, Railroads.

(Machinery--Transport, TT, v. 9, no. 11)

63-10645

I. Gridyushko, V. I.

*NAQ/AF C-4213*

Office of Technical Services

Ratnikov, V. D.  
AUTOMATED CAR SORTING ON A HUMP-YARD.  
[1962] 8p.  
Order from OTS or SLA \$1.10                      63-10647

Trans. of Zhelezнодороzhnyi Transport (USSR) 1962  
[v. 44, no. 6] p. 67-72.

DESCRIPTORS: \*Automation, \*Railroad cars, Railroads,  
Electronic equipment, \*Brakes, \*Remote control sys-  
tems, Electric switches.

(Machinery--Transport, TT, v. 9, no. 11)

63-10647

I. Ratnikov, V. D.

Office of Technical Services

Kozmin, Yu. G. and Nevzorov, I. N.  
IMPACT EFFECT OF TRAINS ON METALLIC  
BRIDGES. [1962] 7p.  
Order from OTS or SLA \$1.10 63-10643

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 6] p. 80-83.

DESCRIPTORS: \*Impact shock, \*Locomotives,  
\*Bridges, Structures, Dynamics, Tensimeters, De-  
formation, Load distribution, Beams (Structural),  
Railroad tracks.

(Engineering--Civil, TT, v. 9, no. 10)

63-10643

I. Kozmin, Yu. G.  
II. Nevzorov, I. N.

*NR/63-10643*

Office of Technical Services

Dobrosielskii, K. M.  
PROSPECTS OF IMPROVED TECHNIQUE AND TECHNOLOGY IN A HUMP YARD. [1962] 5p.  
Order from OTS or SLA \$1.10

63-10637

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 7] p. 32-34.

DESCRIPTORS: \*Remote control systems, Economics,  
Television communication systems, \*Railroads, Electronic equipment, Electric switches.

(Machinery--Transport, TT, v. 9, no. 11)

63-10637

I. Dobrosielskii, K. M.

Office of Technical Services

Orlov, N. G.

TECHNICAL INNOVATIONS IN PRODUCTION OF  
WELDED RAILS. [1962] 5p. (3 figs. omitted).  
Order from OTS or SLA \$1.10 63-10648

Trans. of Zhelezнодороzhnyi Transport (USSR) 1962  
[v. 44, no. 7] p. 45-48.

DESCRIPTORS: Production, \*Railroad tracks,  
\*Welding, Automation, Conveyors, Grinders, Cutting  
tools.

(Machinery--Transport, TT, v. 9, no. 12)

63-10648

I. Orlov, N. G.

Office of Technical Services

Demidov, V. P.  
GAS TURBINE LOCOMOTIVES. [1962] 9p.  
Order from OTS or SLA \$1.10 63-10649

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 7] p. 90-94.

DESCRIPTORS: \*Gas turbines, \*Locomotives, Rail-  
road cars, Railroads, Operation, Economics.

(Machinery--Transport, TT, v. 9, no. 11)

63-10649

1. Demidov, V. P.

Office of Technical Services

Advantages of the Merger of Public With  
Industrial Transport, by A. Ya. Semodumov,  
9 pp.

RUSSIAN, per, Zheleznodorozhnyy Transport,  
No 8, 1962, pp 24-27.

JPRS 16310

USSR  
Econ  
Nov 62

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Potapov, V. P., Matalasov, S. F., and Malakhov,  
K. N.

NEW OPERATIONAL DEMANDS ON DESIGN OF  
FREIGHT CARS. [1962] 6p.

Order from OTS or SLA \$1.10

63-10761

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 8] p. 28-32.

DESCRIPTORS: \*Railroad cars, Design, Maintenance,  
Handling, Cargo, Railroads.

(Machinery--Transport, TT, v. 10, no. 1)

63-10761

I. Potapov, V. P.  
II. Matalasov, S. F.  
III. Malakhov, K. N.

Office of Technical Services

Important Problems of Preparing the Grain Mass  
Transportation, by N. V. Marin, et al.

RUSSIAN, per, Zheleznodorozhnyy Transport,  
Vol XLIV, 1962, pp 33-37.

NRC/Ref. C-4224

Sci-Engr

Aug 63

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Certain Economic Problems of Utilizing New  
Types of Traction, by A. P. Abramov, G. V.  
Kotov, 13 pp.

RUSSIAN, per, Zhелеznodorozhnyy Transport, No 8,  
1962, pp 37-41.

JPRS 16310

USSR  
Econ  
Nov 62

217,871

Myasnikov, Z. M.  
IMPROVED OPERATIONS ON STEAMING-AND WASH-  
ING STATIONS. [1962] [9]p.  
Order from OTS or SLA \$1.10

63-10762

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 8] p. 44-49.

DESCRIPTORS: \*Railroad cars, Tanks (Containers),  
Steam-cleaning, Cleaning, Oils, Chemicals, Railroads

(Machinery--Transport, TT, v. 10, no. 1)

63-10762

I. Myasnikov, Z. M.

Office of Technical Services

Automation of the Operative Planning of Train  
and Freight Operations, by M. D. Kryukov, V. N.  
Gundobin, 11 pp.

RUSSIAN, per, Zhелеznodorozhnyy Transport,  
No 8, 1962, pp 49-52.

JPRS 16310

OTS 63-70432

USSR

Econ

Nov 62

217,872

Karetnikov, A. D., Ashukin, D. D. and others.  
HOW TO ORGANIZE LOCAL OPERATION ON RAIL-  
ROAD EXTENSIONS. [1962] 9p.  
Order from OTS or SLA \$1.10

63-10765

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 8] p. 55-59.

DESCRIPTORS: \*Railroads, Management engineering,  
Operation, Maintenance.

(Machinery--Transport, TT, v. 10, no. 1)

63-10765

I. Karetnikov, A. D.  
II. Ashukin, D. D.

Office of Technical Services

Vetukhov, E. A. and Kostenko, I. G.  
VARIOUS METHODS OF DIRECT RELOADING IN  
FREIGHT YARDS. [1962] 5p.  
Order from OTS or SLA \$1.10

63-10635

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 8] p. 60-62.

DESCRIPTORS: Handling, \*Cargo, \*Railroad cars,  
Tractors, Trailers, Cargo vehicles, Warehouses,  
Storage, Railroads, Operation, Economics.

(Machinery--Transport, TT, v. 9, no. 11)

63-10635

I. Vetukhov, E. A.  
II. Kostenko, I. G.

NRC/Ref.  
C-4248

Office of Technical Services

Special Containers for Freight Transportation, by  
I. V. Shtefko, Yu. T. Kozlov.

RUSSIAN, per, Zheleznodorozhnuy Transport,  
Vol XLIV, 1962, pp 66-69.

NRC/Ref. C-4239

Sci-Eng

Aug 63

341, 974

Improved Methods of Loading Vehicles, Machines  
and Parts on Flatcars, by A. G. Kalishchuk,  
A. S. Avstreikh.

RUSSIAN, per, Zheleznodorozhnyy Transport,  
Vol ~~XXXX~~ XLIV, 1962, pp 76-78.

NRC/Ref. C-4217

Sci-Engr

Aug 63

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Khudokormov, V. I.  
SPECIALIZATION IN OVERHAUL OF ALL-METAL  
PASSENGER CARS. [1962] 6p.  
Order from OTS or SLA \$1.10

63-10763

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 8] p. 73-78.

DESCRIPTORS: \*Railroad cars, Passenger vehicles,  
Metals, \*Maintenance, Maintenance equipment.

(Machinery--Transport, TT, v. 9, no. 12)

63-10763

I. Khudokormov, V. I.

Office of Technical Services

Zvukov, H. M.  
RAILROAD TRACKS IN METALLURGICAL MILLS  
AND MACHINE-BUILDING WORKS IN  
CZECHOSLOVAKIA. [1962] 6p.  
Order from OTS or SLA \$1. 10

63-10764

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 8] p. 88-91.

DESCRIPTORS: \*Railroad tracks, Industrial plants,  
Foundations (Structures), Design, Welding, Wood,  
Metals, Concrete, Slags.

(Machinery--Transport, TT, v. 9, no. 12)

63-10764

I. Zvukov, H. M.

Office of Technical Services

Nagy, J.

ANALYSIS OF STABILITY ON STRAIGHT SECTIONS  
OF WELDED TRACKS. [1962] [8]p.  
Order from OTS or SLA \$1.10

63-10760

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 9] p. 40-44.

DESCRIPTORS: \*Railroad tracks, \*Welding, Stability,  
Analysis.

(Machinery--Transport, TT, v. 9, no. 12)

63-10760

I. Nagy, J.

Office of Technical Services

Kutassy, Lajos.

PRESTRESSED CONCRETE SLEEPERS. [1962] 5p.  
Order from OTS or SLA \$1.10 63-10758

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 9] p. 44-47.

DESCRIPTORS: \*Concrete, \*Foundations (Structures),  
\*Railroad tracks, \*Reinforced concrete, Design,  
Railroads.

(Machinery--Transport, TT, v. 10, no. 4)

63-10758

1. Title: Prestressed concrete  
I. Kutassy, L.

Office of Technical Services

Bagirov, A. M.  
NEW ORGANIZATIONAL METHODS OF FREIGHT  
HANDLING ON AZERBAIDZHAN LINE. [1962] 5p.  
Order from OTS or SLA \$1.10 63-10759

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 9] p. 59-63.

DESCRIPTORS: \*Railroads, Handling, Railroad cars,  
Management engineering, \*Cargo.

(Machinery--Transport, TT, v. 10, no. 5)

63-10759

I. Bagirov, A. M.

Office of Technical Services

Railroad Transport of the USSR in the First  
Half of 1962, 12 pp.

RUSSIAN, per, Zheleznodorozhnyy Transport,  
No 9, 1962, pp 73-76.

JPRS 16310

USSR  
Econ  
Nov 62

217,873

Improved Preparation Procedures for Grain-Carrying  
Cars, by Z. M. Myasnikov, V. N. Korotkov. 5 pp.

RUSSIAN, per, Zheleznodorozhnyi Transport, No 9,  
1962, pp 87-89.

NRC/Ref: C-4343  
GTS 63-16469

Sci-Engr

Dec 63

245,045

UTILIZE ROLLING STOCK MORE EFFICIENTLY,  
11 PP

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT, NO 10,  
1962, PP 3-7.

JPRS 17067

USSR  
ECON  
JAN 63

219,173

NEW POWERFUL ELECTRIC LOCOMOTIVES, BY S. N.  
YELKIN, 14 PP. and by B. A. Tushkanov.

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT,  
NO 10, OCT 1962, PP 18-25.

JPRS 17067

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ECON  
JAN 63

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Borisov, D. P.  
AUTOMATION AND TELEMCHANICS FOR LINES  
WITH HIGH-SPEED TRAFFIC. [1963] [7]p.  
Order from OTS or SLA \$1.10 63-14727

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 10] p. 44-47.

DESCRIPTORS: \*Railroads. Automatic, \*Control  
systems, \*Speed regulators, \*Signal lights, \*Traffic,  
Transportation.

An examination of how the installations for signalling,  
centralization and blocking can be developed and  
amplified for railroad lines with high-speed traffic.

(Machinery--Transport, TT, v. 10, no. 4)

63-14727

I. Borisov, D. P.

Office of Technical Services

Nikulina, P. A., Paderno, I. P., and Terent'ev S. A.  
COMPLEX RADIO AND WIRE COMMUNICATIONS  
IN MARSHALLING YARDS. [1963] [5]p.  
Order from OTS or SLA \$1.10

63-16470

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 10] p. 48-50.

DESCRIPTORS: \*Railroads, Communication systems.

(Machinery--Transport, TT, v. 10, no. 7)

63-16470

I. Nikulina, P. A.  
II. Paderno, I. P.  
III. Terent'ev, S. A.

Office of Technical Services

THE COORDINATION OF TRANSPORT OPERATIONS # AN  
IMPORTANT STATE PROBLEM, BY B. P. BESHCHEV, 14 PP.

RUSSIAN, PER, ZHELEZNODOROZHNIY TRANSPORT, NO 11,  
1962, PP 3-9.

JPRS 18032

USSR  
ECON  
MAR 63

224,586

COORDINATION - THE BASIS OF THE WORK OF SEAMEN  
AND RAILROAD WORKERS, BY V. G. BAKAYEV, 8 PP.

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT, NO 11,  
1962, PP 10-13.

JPRS 18032

USSR  
ECON  
MAR 63

224,587

THE COOPERATION OF RAILROAD AND RIVER TRANSPORT,  
BY S. A. KUCHKIN, 12 PP.

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT,  
NO 11, 1962, PP 14-19.

JPRS 18032

USSR  
ECON  
MAR 63

224,588

POSSIBILITIES FOR THE EFFECTIVE USE OF RAILROAD  
AND MOTOR VEHICLE TRANSPORT, BY F. V. KALABUKHOV,  
10 PP.

RUSSIAN, PER, ZHELEZNODOROZHNIY TRANSPORT, NO 11,  
1962, PP 20-24.

JPRS 18032

USSR  
ECON  
MAR 63

224,589

THE DISTRIBUTION OF SHIPMENTS AMONG DIFFERENT  
TYPES OF TRANSPORT, BY V. I. DMITRIYEV,  
V. I. PETROV, 12 PP.

RUSSIAN, PER, ZHELEZHODOROZHNYI TRANSPORT, NO 11,  
1962, PP 24-29.

JPRS 18032

USSR  
ECON  
MAR 63

224,590

THE UNIFIED TRANSPORT NETWORK OF THE UKRAINE,  
BY M. M. YASHNIK, 9 PP.

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT, NO 11,  
1962, PP 30-33.

JPRS 18032

USSR  
ECON  
MAR 63

224,591

COMPLEX USE OF TRANSPORT IN THE GOR'KOVSKIY  
ECONOMIC REGION, BY B. I. ZIKEYEV, 7 PP.

RUSSIAN, PER, ZHELEZNODOROZHNIY TRANSPORT, NO 11,  
1962, PP 34-36.

JPRS 18032

USSR  
ECON  
MAR 63

224,592

POSSIBILITIES OF REDUCING TRANSPORT EXPENSES,  
BY T. Z. KOSHKAREV, 6 PP.

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT, NO 11,  
1962, PP 37-39.

JPRS 18032

USSR  
ECON  
MAR 63

224,593

THE TRANSFER OF SHORT-RUN SHIPMENTS TO MOTOR-  
VEHICLE TRANSPORT, BY M. A. SMORODINOV, KH. M.  
LAZAREV, 6 PP.

RUSSIAN, PER, ZHELEZNODOROZNYI TRANSPORT, NO 11,  
1962, PP 47-49.

JPRS 18032

USSR  
ECON  
MAR 63

GTS 63-14726  
(NRC/Ref: C-4373)

224,594

Goldstein, M. N.  
EQUIPPING AND MAINTAINING THE RAILROAD BED,  
[1963] [7]p.

Order from OTS or SLA \$1. 10

63-14003

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 11] p. 58-61.

DESCRIPTORS: \*Railroad tracks, Foundations  
(Structures), \*Civil engineering, Soil mechanics,  
Trafficability.

The contemporary designing method based on the so-called "allowable" pressure, does not allow to correctly estimate and utilize the actual mechanical properties of the basic surface. The magnitudes of the flexible deformation static and dynamic modulus, respectively, differ from each other by several hundred percent. Corresponding corrections should be  
(Engineering: Civil, TT, v. 10, no. 5) (over)

63-14003

I. Goldstein, M. N.

Office of Technical Services

Senderov, G. K.  
HOW TO AVOID CAR DAMAGE ON CAR-TIPPER.  
[1963] 6p.  
Order from OTS or SLA \$1.10

63-14724

Trans. of Zheleznodorozhnyi Transport (USSR) 1962,  
[v. 44, no. 11] p. 66-68.

DESCRIPTORS: \*Railroad cars, \*Damage, Handling.

(Machinery--Transport, TT, v. 10, no. 5)

63-14724

I. Senderov, G. K.

Office of Technical Services

SHIPMENT OF MORE FREIGHT NEEDED FOR EACH RUBLE OF  
BASIC FUNDS, BY V. YE. BIRYUKOV. 15 PP.

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT, NO 12,  
1962, PP 20-25.

JPRS 18599

USSR  
ECON  
APR 63

226,943

Andrianov, A. S.  
HOW THE KUIBYSHEV RAILROAD ORGANIZED ITS  
FIGHT AGAINST SNOW. [1963] [6]p.  
Order from OTS or SLA \$1.10

63-14728

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 12] p. 51-53.

DESCRIPTORS: Railroads, \*Snow, \*Railroad tracks,  
Forestry, Shelters, Traffic, Maintenance equipment,  
\*Snow removal.

(Machinery--Transport, TT, v. 10, no. 5)

63-14728

I. Andrianov, A. S.

JPRS 18599

Office of Technical Services

THE ROLE OF PROFITS IN STRENGTHENING THE  
SELF-SUPPORT OF RAILROAD DIVISIONS, BY YE. V.  
LARIONOVA, 9 PP.

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT,  
NO 12, 1962, PP 54-58.

JPRS 18599

USSR  
ECON  
APR 63

226,945

Khandros, G. M.

IMPORTANT PROBLEMS CONCERNING IMPROVED  
FREIGHT CAR DESIGN. [1963] [5p]

Order from OTS, SLA, or ETC \$1.10 TT-63-20663

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 12] p. 60-62.

DESCRIPTORS: \*Railroad cars, Design,

(Machinery--Transport, TT, v. 11, no. 4)

TT-63-20663

I. Khandros, G. M.

Office of Technical Services

63-18082

Klimesh, Ferdinand.  
CONTINUOUS WELDED RAILS ON PRESTRESSED  
SLABS. [1963] 9p.  
Order from OTS or SLA \$1.10 63-18082

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 12] p. 83-88.

DESCRIPTORS: \*Railroad tracks, Welds, \*Founda-  
tions (Structures), Reinforced concrete, Stresses,  
Structures, Mathematical analysis, Economics,  
Railroads.

(Machinery--Transport, TT, v. 10, no. 10)

1. Title: Slabs  
1. Klimesh, F.

Office of Technical Services

ADVANCING TECHNICAL PROGRESS ON THE RAILROADS,  
BY N. A. GUNDOBIN, 13 PP.

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT, NO 1,  
1963, PP 3-9.

~~XPRS 1905~~  
JPRS 19005

USSR  
ECON  
MAY 63

230,049

Kochnev, F. P.  
HIDDEN POSSIBILITIES IN THE TRAFFIC DIAGRAM  
OF COMMUTER TRAINS. [1963] [7]p.  
Order from OTS or SLA \$1.10 63-18078

Trans. of Zheleznodorozhnyi Transport (USSR) 1963  
[v. 45, no. 1] p. 38-41.

DESCRIPTORS: \*Railroads, \*Traffic, Transportation,  
Locomotives, Passenger vehicles, Economics, Costs.

(Machinery--Transport, TT, v. 10, no. 11)

63-18078

I. Kochnev, F. P.

Office of Technical Services

GROWTH PROSPECTS OF THE BELORUSSIAN RAILROAD,  
BY N. I. NESTERENKO, 6 PP.

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT,  
NO 1, 1963, PP 49-51.

JPRS 19005

USSR  
ECON  
MAY 63

230,050

Fakhrudinov, V. Z.  
TARGET BRAKING OF MARSHALLED CARS. (1963)  
[4]p.  
Order from OTS, SLA, on TFC SL-10 TT 63-18079

Trans. of Zheleznodorozhnyi Transport (USSR) 1963  
[v.45, no. 1] p. 69-70.

DESCRIPTORS: \*Railroad cars, Deceleration, Railroad  
tracks, Railroads.

The article describes a method of braking cuts of rail-  
road cars at a braking station 150 meters from the ex-  
treme section posts on the side of the hump-crest. The  
method increases the efficiency of the marshalling  
yard, eliminates upset cars in wintertime, reduces car  
damage, increases safety, makes snow removal easier,  
reduces noise, and does not require safety derails at  
the end of each marshalling track.

(Machinery--Transport, TT, v. 45, no. 1)

TT 63-18079

I. Fakhrudinov, V. Z.

Office of Technical Services

<p>Shakhmatov, G. A. AUTOMATIC TRAIN STOPS FOR HIGH-SPEED TRAFFIC. [1963] [6]p. Order from OTS or SLA \$1.10 63-18062</p> <p>Trans. of <u>Zheleznodorozhnyi Transport (USSR)</u> 1963 [v. 45, no. 1] p. 70-73.</p> <p>DESCRIPTORS: *Signals, Automatic, Control systems, *Railroads, *Locomotives, Traffic, Electrical equipment.</p> <p>(Machinery--Transport, TT, v. 10, no. 9)</p>	<p>63-18062</p> <p>I. Shakhmatov, G. A.</p> <p>Office of Technical Services</p>
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NEW REQUIREMENTS FOR PLANNING SHIPMENTS, BY  
V A MERKULOV, S. A. ZEMLYANIKIN, 14 PP.

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT, NO 2,  
1963, PP 14-20.

JPRS 19501

USSR  
ECON  
JUN 63

2X 281152X  
231,752

OUTLOOK FOR THE DEVELOPMENT OF GAS TURBINE  
TRACTION, BY YE. T. BARTOSH, N. V. KOLODYAZHNYI,  
12 PP

RUSSIAN, PER, ZHELEZNODOROZHNIY TRANSPORT, NO 2,  
1963, PP 23-28.

JPRS 19501

USSR  
ECON  
JUN 63

231,753

Bernhard, K. A.  
NOW TO SPECIALIZE THE TANK-CAR FLEET.  
[1963] [11p]  
Order from OTS, SLA, or ETC \$1.60 TT-63-20665

Trans. of Zheleznodorozhnyi Transport (USSR) 1963  
[v. 45, no. 2] p. 44-49.

DESCRIPTORS: \*Railroad cars, Tanks (Containers),  
Traffic, Cleaning, Oils, Liquids, \*Transports,

(Machinery--Transport, TT, v. 11, no. 4)

TT-63-20665

I. Bernhard, K. A.

Office of Technical Services

RAILROAD DIVISIONS -- THE BASIC PRODUCTION  
ASSOCIATIONS IN TRANSPORT, 13 PP.

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT, NO 2,  
1963, PP 55-60.

JPRS 19501

USSR  
ECON  
JUN 63

231,754

Volotskoi, D. V.  
SILICON-ORGANIC COMPOUNDS FOR FIGHT AGAINST  
SUBGRADE HEAVING. [1963] [5]p.  
Order from OTS or SLA \$1.10

63-18077

Trans. of Zheleznodorozhnyi Transport (USSR) 1963  
[v. 45, no. 2] p. 73-76.

DESCRIPTORS: \*Railroads, \*Soils, \*Moistureproofing,  
Freezing, Deformation, Inhibition, \*Silicon compounds,  
Organic compounds, \*Silanes, Chlorides, Methyl  
radicals, Ethyl radicals, Sodium compounds, \*Silicates,  
\*Silicones, Injection.

Organosilicon compounds are being used to inhibit road-  
bed frost heaving on the Kazan section of the Gorki  
Railroad. Compounds which have proven sufficiently  
hydrophobic, harmless, and inexpensive include: ethyl-  
and methylchlorosilanes,  $C_2H_5SiCl_3$  and  $CH_3SiCl_3$ ;  
(Engineering--Civil, TT, v. 10, no. 9) (over)

63-18077

I. Volotskoi, D. V.

Office of Technical Services

Container Service on Access Lines, by  
M. F. Trikhunkov, 7 pp.  
RUSSIAN, per, Zheleznodorozhnyi Transport,  
Vol XLV, No 2, 1963, pp 83-86.  
OTS 63-18792

USSR  
Econ  
March 64

252,086

RAISING THE EFFICIENCY OF NEW FORMS OF TRACTION,  
BY N. A. DROZDOV, 11 PP.

RUSSIAN, PER, ZHELEZNOD TRANSPORT, NO 3, 1963,  
PP 3-7.

JPRS 20538

USSR  
ECON  
AUG 63

238,514

Shulga, V. Ya.

**A NEW TYPE OF TRACK UPPER STRUCTURE.**

[1963] [6p] (3 figs omitted)

Order from OTS or SLA \$1.10

63-20379

Trans. of Zheleznodorozhnyi Transport (USSR) 1963  
[v. 45, no. 3] p. 52-54.

DESCRIPTORS: \*Railroad tracks, \*Reinforced concrete,  
Beams (Structural), \*Foundations (Structures).

Experiments with reinforced concrete block-based  
railroad tracks confirms the expected stability of the  
type of track, its protection of the ballast from con-  
tamination and a significant drop in requirements both  
of labor and material for track maintenance.

(Engineering--Civil, TT, v. 10, no. 12)

63-20379

I. Shulga, V. Ya.

Office of Technical Services

RAILROAD TRANSPORT IN THE USSR IN 1962 (A TECHNICAL  
ECONOMIC REVIEW), 13 PP.

RUSSIAN, PER, ZHELEZNOD TRANSPORT, NO 3, 1963,  
PP 55-58.

JPRS 20538

USSR  
ECON  
AUG 63

238,515

Petrunkov, A. E.  
ELECTRO-MECHANICAL CARRIER FOR TRANSFER  
OF DISPATCHER'S DOCUMENTS IN YARDS. [1963]  
[5]p.

Order from OTS or SLA \$1.10

63-18076

Trans. of Zheleznodorozhnyi Transport (USSR) 1963  
[v. 45, no. 3] p. 78-80.

DESCRIPTORS: \*Conveyors, \*Transportation,  
\*Documentation, Railroads.

This surface mounted, completely enclosed, carrier  
system consists of the following basic elements:  
concrete tunnel; carrier-container; two receiving-  
dispatching stations; feeding and controlling equipment.  
(Author)

(Machinery--Transport, TT, v. 10, no. 9)

63-18076

1. Title: Electromechanical  
carrier
2. Title: Documents  
carrier
1. Petrunkov, A. E.

Office of Technical Services

TASKS FOR FURTHER REDUCING TRANSPORTATION  
COSTS, BY I. V. IVLIYEV, 12 PP.

RUSSIAN, PER, ZHELEZNOD TRANSPORT, NO 4, 1963,  
PP 15-20.

JPRS 20538

USSR  
ECON  
AUG 63

238,516

Collaboration of the Socialist Countries in the  
Development of Transportation, by V. S. Gavrilov,  
7 pp.

RUSSIAN, per, Zheleznodorozhnyy Transport, No 4,  
1963, pp 26-31. 9690232

ACSI I-3406-A  
ID 2246297

USSR  
Econ  
Dec 63

244,034

Cooperation Interaction of Rail and Auto Transportation, by F. I. Shaul'skiy, N. V. Sologub, 5 pp.

RUSSIAN, per, Zheleznodorozhnyy Transport, No 4, 1963, pp 31-34.

ACSI I-3406-B

ID 2246297

OTS 63-20377

USSR  
Econ  
Dec 63

244,035

Endurance Test on Plastic Putties for  
Repair of Freight Cars, 5pp., by A. I.  
Libin, Z. A. Mirol'yubova, M. Yu. Pashkevich,  
RUSSIAN, per, Zheleznodorozhnyi  
Transport, Vol 45, 1963, No 10, pp 47-48  
CFSTI TT-64-18069

322,339

Sci - Mat  
Apr 67

Improved Technique of Assembling Wheelpairs,  
by G. A. Bobrovnikov, 5 pp.  
RUSSIAN, per, Zheleznodorozhnyi Transport,  
Vol XLV, No 4, 1963, pp 48-50.  
OTS 63-18793

Sci-Engr  
March 64

252,085

What Should Future Locomotives Look Like?, by  
N. A. Fufryanskiy, 8 pp.

RUSSIAN, per, Zhelezнодорожный Transport, No 4,  
1963, pp 51-57.

ACSI I-3406-C  
ID 2246297

USSR  
Econ  
Dec 63

244,036

A Type of Dual-Supply Electric Locomotive,  
by B. V. Suslov, 6 pp.

RUSSIAN, per, Zheleznodorozhnyy Transport, No 4,  
1963, pp 57-60.

ACSI I-3406-D  
ID 2246297

USSR  
Econ  
Dec 63

244,037